

In the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1. (Original) An image sensor comprising:
a plurality of pixels formed in a semiconductor substrate, each pixel including a light sensitive element, said pixels grouped as a center portion of pixels and an outer portion of pixels;
a first set of micro-lenses formed over each of said pixels in said center portion of pixels; and
a second set of micro-lenses formed over each of said pixels in said outer portion of said pixels,
wherein said second set of micro-lenses differ from said first set of micro-lenses.
2. (Original) The image sensor of Claim 1 further including a color filter formed over each pixel, said color filter formed between said micro-lens and said light sensitive element.
3. (Original) The image sensor of Claim 1 further including a color filter formed over each pixel, said color filter formed over said micro-lens.
4. (Original) The image sensor of Claim 1 wherein the second set of micro-lenses are taller than said first set of micro-lenses.
5. (Original) The image sensor of Claim 1 wherein the second set of micro-lenses are larger than said first set of micro-lenses.

6. (Original) The image sensor of Claim 1 wherein said micro-lenses are formed from either polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

7. (Original) The image sensor of Claim 1 further including an imaging lens coupled to said image sensor.

8. (Original) A method for forming an image sensor comprising:
forming a plurality of pixels in a semiconductor substrate, each pixel including a light sensitive element, said pixels grouped as a center portion of pixels and an outer portion of pixels;
forming a first set of micro-lenses over each of said pixels in said center portion of pixels; and
forming a second set of micro-lenses over each of said pixels in said outer portion of said pixels,
wherein said second set of micro-lenses differ from said first set of micro-lenses.

9. (Original) The method of Claim 8 further including forming a color filter over each pixel, said color filter formed between said micro-lens and said light sensitive element.

10. (Original) The method of Claim 8 further including forming a color filter over each pixel, said color filter formed over said micro-lens.

11. (Original) The method of Claim 8 wherein the second set of micro-lenses are taller than said first set of micro-lenses.

12. (Original) The method of Claim 8 wherein the second set of micro-lenses are larger than said first set of micro-lenses.

13. (Original) The method of Claim 8 wherein said micro-lenses are formed from either polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

14. (Original) The method of Claim 8 further including coupling an imaging lens to said image sensor.

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)